Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (previously presented) A method of bridging communications between a universal plug and play type device and a rendezvous type device comprising:
   a. receiving a communication from the universal plug and play type device for the rendezvous type device;
   b. converting the communication into the rendezvous type protocol thereby forming a converted communication; and
   c. transmitting the converted communication to the rendezvous type device, wherein the rendezvous type protocol utilizes Internet Protocol.

2. (previously presented) The method as claimed in claim 1 wherein the universal plug and play type device is coupled within a network of universal plug and play type devices.

3. (previously presented) The method as claimed in claim 1 wherein the rendezvous type device is coupled within a network of rendezvous type devices.

4. (original) The method as claimed in claim 1 wherein converting the communication is performed by a conversion circuit.

5. (previously presented) The method as claimed in claim 4 wherein the conversion circuit is programmed by the universal plug and play type device or the rendezvous type device.

6. (previously presented) A method of bridging communications between a rendezvous type device and a universal plug and play type device comprising:
   a. receiving a communication from the rendezvous type device for the universal plug and play type device;
   b. converting the communication into the universal plug and play type protocol thereby forming a converted communication; and

c. transmitting the converted communication to the universal plug and play type device,
wherein the rendezvous type device utilizes Internet Protocol.

7. (previously presented) The method as claimed in claim 6 wherein the universal plug and play type device is coupled within a network of universal plug and play type devices.

8. (previously presented) The method as claimed in claim 6 wherein the rendezvous type device is coupled within a network of rendezvous type devices.

9. (original) The method as claimed in claim 6 wherein converting the communication is performed by a conversion circuit.

10. (previously presented) The method as claimed in claim 9 wherein the conversion circuit is programmed by the universal plug and play type device or the rendezvous type device.

11. (previously presented) A converter configured to couple between a universal plug and play type device and a rendezvous type device to convert communications between the universal plug and play type device and the rendezvous type device into proper formats, comprising:

a. a universal plug and play type interface circuit configured to couple to a universal plug and play type device operating under a universal plug and play type protocol;
b. a rendezvous type interface circuit configured to couple to a rendezvous type device operating under a rendezvous type protocol; and
c. a conversion circuit coupled between the universal plug and play type interface circuit and the rendezvous type interface circuit, wherein the conversion circuit converts communications directed from the universal plug and play type device to the rendezvous type device into the rendezvous type protocol, and further wherein the conversion circuit converts communications directed from the rendezvous type device to the universal plug and play type device into the universal plug and play type protocol,
wherein the rendezvous type protocol utilizes Internet Protocol.

12. (previously presented) The converter as claimed in claim 11 wherein the universal plug and play type device is coupled within a network of universal plug and play type devices.

13. (previously presented) The converter as claimed in claim 11 wherein the rendezvous type device is coupled within a network of rendezvous type devices.

14. (original) The converter as claimed in claim 11 wherein a conversion program used by the conversion circuit is stored within the conversion circuit.

15. (previously presented) The converter as claimed in claim 11 wherein the conversion circuit is programmed by the universal plug and play type device or the rendezvous type device.

16. (original) The converter as claimed in claim 11 wherein the converter is a stand-alone device.

17. (previously presented) The converter as claimed in claim 11 wherein the converter is implemented within the universal plug and play type device or the rendezvous type device.

18. (previously presented) The converter as claimed in claim 11 wherein the universal plug and play type interface circuit comprises a universal plug and play type proxy which maintains a table of entries, each entry corresponding to a rendezvous type device.

19. (previously presented) The converter as claimed in claim 11 wherein the rendezvous type interface circuit comprises a rendezvous type proxy which maintains a table of entries, each entry corresponding to a universal plug and play type device.

20. (previously presented) A converter configured for coupling between a universal plug and play type device and a rendezvous type device to convert communications between the universal plug and play type device and the rendezvous type device into proper formats, comprising:

a. means for interfacing to a universal plug and play type device configured for coupling to the universal plug and play type device operating under a universal plug and play type protocol;

b. means for interfacing to a rendezvous type device configured for coupling to the rendezvous type device operating under a rendezvous type protocol; and

c. means for converting coupled between the means for interfacing to a universal plug and play type device and the means for interfacing to a rendezvous type device, wherein the means for converting converts communications directed from the universal plug and play type device to the rendezvous type device into the rendezvous type protocol, and further wherein the means for converting converts communications directed from the rendezvous type device to the universal plug and play type device into the universal plug and play type protocol, wherein the rendezvous type protocol utilizes Internet Protocol.

21. (previously presented) The converter as claimed in claim 20 wherein the universal plug and play type device is coupled within a network of universal plug and play type devices.

22. (previously presented) The converter as claimed in claim 20 wherein the rendezvous type device is coupled within a network of rendezvous type devices.

23. (original) The converter as claimed in claim 20 wherein a conversion program used by the means for converting is stored within the means for converting.

24. (previously presented) The converter as claimed in claim 20 wherein the means for converting is programmed by the universal plug and play type device or the rendezvous type device.

25. (original) The converter as claimed in claim 20 wherein the converter is a stand-alone device.

26. (previously presented) The converter as claimed in claim 20 wherein the converter is implemented within the universal plug and play type device or the rendezvous type device.

27. (previously presented) The converter as claimed in claim 20 wherein the means for interfacing to a universal plug and play type device comprises a universal plug and play type proxy which maintains a table of entries, each entry corresponding to a rendezvous type device.

28. (previously presented) The converter as claimed in claim 20 wherein the means for interfacing to a rendezvous type device comprises a rendezvous type proxy which maintains a table of entries, each entry corresponding to a universal plug and play type device.

29. (previously presented) A bridge device configured for coupling between a universal plug and play type device and a rendezvous type device for converting communications between the universal plug and play type device and the rendezvous type device into proper formats, comprising:

a. a universal plug and play type interface circuit configured for coupling to a universal plug and play type device operating under a universal plug and play type protocol;

b. a rendezvous type interface circuit configured for coupling to a rendezvous type device operating under a rendezvous type protocol; and

c. a conversion circuit coupled between the universal plug and play type interface circuit and the rendezvous type interface circuit, wherein the conversion circuit converts communications directed from the universal plug and play type device to the rendezvous type device into the rendezvous type protocol, and further wherein the conversion circuit converts communications directed from the rendezvous type device to the universal plug and play type device into the universal plug and play type protocol,

wherein the rendezvous type protocol utilizes Internet Protocol.

30. (previously presented) The bridge as claimed in claim 29 wherein the universal plug and play type device is coupled within a network of universal plug and play type devices.

31. (previously presented) The bridge as claimed in claim 29 wherein the rendezvous type device is coupled within a network of rendezvous type devices.

32. (original) The bridge as claimed in claim 29 wherein a conversion program used by the conversion circuit is stored within the conversion circuit.

33. (previously presented) The bridge as claimed in claim 29 wherein the conversion circuit is programmed by the universal plug and play type device or the rendezvous type device.

34. (original) The bridge as claimed in claim 29 wherein the bridge is a stand-alone device.

35. (previously presented) The bridge as claimed in claim 29 wherein the bridge is implemented within the universal plug and play type device or the rendezvous type device.

36. (previously presented) The bridge as claimed in claim 29 wherein the universal plug and play type interface circuit comprises a universal plug and play type proxy which maintains a table of entries, each entry corresponding to a rendezvous type device.

37. (previously presented) The bridge as claimed in claim 29 wherein the rendezvous type interface circuit comprises a rendezvous type proxy which maintains a table of entries, each entry corresponding to a universal plug and play type device.

38. (currently amended) A network of devices, operating under a plurality of protocols, the network of devices comprising:

a. one or more universal plug and play type devices operating under a universal plug and play type protocol;

b. one or more rendezvous type devices operating under a rendezvous type protocol; and

c. a converter coupled to the universal plug and play type devices and the rendezvous type devices for converting communications between the universal plug and play type devices and the rendezvous type devices into proper formats, comprising:

    i. a universal plug and play type interface circuit coupled to the universal plug and play type devices, wherein the universal plug

and play type interface circuit maintains a universal plug and play table of all the rendezvous type devices in the network;

ii. a rendezvous type interface circuit coupled to the rendezvous type devices, wherein the rendezvous type interface circuit maintains a rendezvous table of all the plug and play type devices in the network; and

iii. a conversion circuit coupled to universal plug and play type interface circuit and the rendezvous type interface circuit, wherein the conversion circuit converts communications directed from the universal plug and play type devices to the rendezvous type devices into the rendezvous type protocol, and further wherein the conversion circuit converts communications directed from the rendezvous type devices to the universal plug and play type devices into the universal plug and play type protocol,

wherein the rendezvous type protocol utilizes Internet Protocol, and further wherein the plug and play table and the rendezvous table are formatted such that each device within the network is discoverable by each other device in the network.

39. (original) The network of devices as claimed in claim 38 wherein a conversion program used by the conversion circuit is stored within the conversion circuit.

40. (previously presented) The network of devices as claimed in claim 38 wherein the conversion circuit is programmed by a universal plug and play type device or a rendezvous type device.

41. (previously presented) The network of devices as claimed in claim 38 wherein the converter is a stand-alone device coupled between the universal plug and play type devices and the rendezvous type devices.

42. (previously presented) The network of devices as claimed in claim 38 wherein the converter is implemented within the universal plug and play type device or the rendezvous type device.

43. (previously presented) The network of devices as claimed in claim 38 wherein the universal plug and play type interface circuit comprises a universal plug and play type proxy which maintains a table of entries, each entry corresponding to a rendezvous type device.

44. (previously presented) The network of devices as claimed in claim 38 wherein the rendezvous type interface circuit comprises a rendezvous type proxy which maintains a table of entries, each entry corresponding to a universal plug and play type device.

45. (previously presented) A network of devices, operating under a plurality of protocols, the network of devices comprising:

a. one or more universal plug and play type devices operating under a universal plug and play type protocol;

b. one or more rendezvous type devices operating under a rendezvous type protocol; and

c. a converter coupled to the universal plug and play type devices and the rendezvous type devices for converting communications between the universal plug and play type devices and the rendezvous type devices into proper formats, comprising:

    i. a universal plug and play type interface circuit coupled to the universal plug and play type devices, wherein the universal plug and play type interface circuit comprises a universal plug and play type proxy which maintains a table of rendezvous entries, each rendezvous entry corresponding to a rendezvous type device;

    ii. a rendezvous type interface circuit coupled to the rendezvous type devices, wherein the rendezvous type interface circuit comprises a rendezvous type proxy which maintains a table of universal plug and play entries, each universal plug and play entry corresponding to a universal plug and play type device; and

    iii. a conversion circuit coupled to universal plug and play type interface circuit and the rendezvous type interface circuit, wherein the conversion circuit converts communications directed from the universal plug and play type devices to the rendezvous type devices into the rendezvous type protocol, and further wherein the

conversion circuit converts communications directed from the rendezvous type devices to the universal plug and play type devices into the universal plug and play type protocol, wherein a conversion program used by the conversion circuit is stored within the conversion circuit, wherein the conversion circuit is programmed by a universal plug and play type device or a rendezvous type device, and

wherein the rendezvous type protocol utilizes Internet Protocol.

46. (previously presented) A method of bridging communications between a universal plug and play type device and a rendezvous type device, wherein the universal plug and play type device and the rendezvous type device are coupled together through one or more networks operating according to Internet Protocol, the method comprising:

a. receiving a communication from the universal plug and play type device for the rendezvous type device;

b. converting the communication into the rendezvous type protocol thereby forming a converted communication; and

c. transmitting the converted communication over the one or more Internet Protocol networks to the rendezvous type device,

wherein the rendezvous type protocol utilizes the Internet Protocol.

47. (previously presented) A method of bridging communications between a rendezvous type device and a universal plug and play type device, wherein the rendezvous type device and the universal plug and play type device are coupled together through one or more networks operating according to Internet Protocol, the method comprising:

a. receiving a communication from the rendezvous type device for the universal plug and play type device;

b. converting the communication into the universal plug and play type protocol thereby forming a converted communication; and

c. transmitting the converted communication over the one or more Internet Protocol networks to the universal plug and play type device,

wherein the rendezvous type device utilizes the Internet Protocol.